

LISTING OF CLAIMS

1. (original) A bent tube having a bend configuration comprising:
a curve extending between first and second ends;
a portion of the curve being a circular arc; and
a transition portion extending from the circular arc toward the second end
and having a curvature decreasing gradually from the curvature of the circular arc to the
zero curvature of a straight tube.
2. (original) The tube of claim 1 wherein the transition portion is a
clothoid.
3. (original) The tube of claim 1 including a second transition portion
extending from the arc portion toward the first end having a curvature decreasing from
the bending radius of the arc to the zero curvature of the straight tube.
4. (original) The tube of claim 1 wherein the curve subtends an angle of
90 degrees:
5. (original) The tube of claim 1 wherein the curve subtends an angle
greater than 90 degrees.
6. (currently amended) The tube of claim 1 wherein the curve subtends
[[and]] an angle less than 90 degrees.
7. (original) A draw die for tube bending, the die having a bending
surface configuration comprising:
a curve extending between first and second ends;

a portion of the curve being a circular arc; and
a transition portion extending from the circular arc toward the second end and having a curvature decreasing gradually from the curvature of the circular arc to the zero curvature of a straight tube.

8. (currently amended) The ~~tube~~ draw die of claim 7 wherein the transition portion is a clothoid.

9. (currently amended) The ~~tube~~ draw die of claim 7 including a second transition portion extending from the arc portion toward the first end having a curvature decreasing from the bending radius of the arc to the zero curvature of the straight tube.

10. (currently amended) The ~~tube~~ draw die of claim 7 wherein the curve subtends an angle of 90 degrees.

11. (currently amended) The ~~tube~~ draw die of claim 7 wherein the curve subtends an angle greater than 90 degrees.

12. (currently amended) The ~~tube~~ draw die of claim 7 wherein the curve subtends an angle less than 90 degrees.